

What is claimed is:

1. A window glass for a vehicle, comprising:  
a glass sheet; and  
a transparent conductive film and a pair of bus bars for feeding  
power to the transparent conductive film, the bus bars including a longer bus  
bar and a shorter bus bar, the transparent conductive film and the bus bars  
being formed on the glass sheet;  
wherein the surface resistance of the conductive film decreases from  
the longer bus bar toward the shorter bus bar.
2. The window glass according to Claims 1, wherein the surface  
resistance is changed by changing the film thickness of the conductive film.
3. The window glass according to Claim 2, wherein the film thickness  
changes continuously.
4. The window glass according to Claim 1, wherein the window glass  
comprises at least two glass sheets and a thermoplastic resin film for  
bonding the glass sheets, and the conductive film and the bus bars are  
provided on a surface of one of the glass sheets.
5. The window glass according to Claim 1, wherein the conductive film  
includes a first metal oxide film, a first Ag film, a second metal oxide film, a  
second Ag film, and a third metal oxide film that are layered in that order.
6. The window glass according to Claim 1, wherein a ceramic mask is  
provided at a portion where the bus bars are formed.
7. A window glass for a vehicle, comprising:  
a glass sheet; and  
a transparent conductive film and a pair of bus bars for feeding  
power to the transparent conductive film, the transparent conductive film  
and the bus bars being formed on the glass sheet;  
wherein the surface resistance of the conductive film increases as the  
spacing between the bus bars is smaller.

8. The window glass according to Claims 7, wherein the surface resistance is changed by changing the film thickness of the conductive film.

9. The window glass according to Claim 8, wherein the film thickness changes continuously.

10. The window glass according to Claim 7, wherein the window glass comprises at least two glass sheets and a thermoplastic resin film for bonding the glass sheets, and the conductive film and the bus bars are provided on a surface of one of the glass sheets.

11. The window glass according to Claim 7, wherein the conductive film includes a first metal oxide film, a first Ag film, a second metal oxide film, a second Ag film, and a third metal oxide film that are layered in that order.

12. The window glass according to Claim 7, wherein a ceramic mask is provided at a portion where the bus bars are formed.

13. A window glass for a vehicle, comprising:  
a glass sheet; and  
a transparent conductive film and a pair of bus bars for feeding power to the transparent conductive film, the conductive film being provided with a cutout portion along at least one of the edges of the glass sheet, the transparent conductive film and the bus bars being formed on the glass sheet;

wherein the surface resistance of the conductive film decreases from the cutout portion along the at least one edge.

14. The window glass according to Claims 13, wherein the surface resistance is changed by changing the film thickness of the conductive film.

15. The window glass according to Claim 14, wherein the film thickness changes continuously.

16. The window glass according to Claim 13, wherein the window glass comprises at least two glass sheets and a thermoplastic resin film for bonding the glass sheets, and the conductive film and the bus bars are provided on a surface of one of the glass sheets.

17. The window glass according to Claim 13, wherein the conductive film includes a first metal oxide film, a first Ag film, a second metal oxide film, a second Ag film, and a third metal oxide film that are layered in that order.

18. The window glass according to Claim 13, wherein a ceramic mask is provided at a portion where the bus bars are formed.

19. A window glass for a vehicle, comprising:  
a glass sheet; and  
a transparent conductive film and a pair of bus bars for feeding power to the transparent conductive film, a corner of the conductive film being provided with a cutout portion, the transparent conductive film and the bus bars being formed on the glass sheet;

wherein one of the bus bars turns the said corner and extends to an adjacent edge of the conductive film; and

wherein a region is provided between the cutout portion and the other bus bar where the surface resistance is higher than at other regions of the conductive film.

20. The window glass according to Claim 19, wherein the region with higher surface resistance has a film thickness that is smaller than that of the other regions of the conductive film.

21. The window glass according to Claim 19, wherein the window glass comprises at least two glass sheets and a thermoplastic resin film for bonding the glass sheets, and the conductive film and the bus bars are provided on a surface of one of the glass sheets.

22. The window glass according to Claim 19, wherein the conductive film includes a first metal oxide film, a first Ag film, a second metal oxide film, a second Ag film, and a third metal oxide film that are layered in that order.

23. The window glass according to Claim 19, wherein a ceramic mask is provided at a portion where the bus bars are formed.

24. A window glass for a vehicle, comprising:

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a glass sheet; and  
a transparent conductive film and a pair of bus bars for feeding power to the transparent conductive film, the transparent conductive film and the bus bars being formed on the glass sheet;  
5 wherein the conductive film is provided with a comb-shaped portion that has cutout portions in contact with one of the bus bars.

25. The window glass according to Claim 24, wherein the window glass comprises at least two glass sheets and a thermoplastic resin film for bonding the glass sheets, and the conductive film and the bus bars are provided on a surface of one of the glass sheets.

26. The window glass according to Claim 24, wherein the conductive film includes a first metal oxide film, a first Ag film, a second metal oxide film, a second Ag film, and a third metal oxide film that are layered in that order.

27. The window glass according to Claim 24, wherein a ceramic mask is provided at a portion where the bus bars are formed.

28. A method for manufacturing a window glass for a vehicle comprising a glass sheet, and a transparent conductive film and a pair of bus bars for feeding power to the transparent conductive film formed on the glass sheet, the method comprising:

forming the conductive film by sputtering using a sputtering target while arranging a shielding plate at a predetermined position between the glass sheet and the sputtering target.

29. The method according to Claim 28, wherein the shielding plate has an aperture pattern in which the aperture ratio changes continuously or stepwise.

30. A method for manufacturing a window glass for a vehicle comprising a glass sheet, and a transparent conductive film and a pair of bus bars for feeding power to the transparent conductive film formed on the glass sheet, the method comprising:

forming the conductive film by sputtering using a sputtering target while changing the spacing between the glass sheet and the sputtering

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